

System and Method for Network Connection Detection

Abstract of the Disclosure

5 The present invention provides a system and method that operates in the link layer and detects connection status in a LAN. The system includes a request frame whose source address is an address of a node transmitting the request frame, a reply frame whose destination address is the source address of the request frame, and a first node and a second node within the LAN for
10 processing the request/reply frame. The method includes the first node transmitting a request frame into the LAN, the second node transmitting a reply frame to the first node if receiving the request frame, and the first node checking whether a destination address of the reply frame comprises an address of the first node when receiving the reply frame. If so, the
15 connection between the first and second nodes is in a normal state.